

even subject to submersion. In some places they grow it on high land but not nearly so successfully. I have never seen a budded or grafted litchi tree, and I understand it is never done. Litchi trees are either inarched or layered, the latter being the more common and the most successful. If inarched it is on litchi stock. The common practice in inarching is to use the *Loh Mai Chi* variety for scions and *San Chi* variety for stock. The seeds of the various varieties vary greatly in vitality. I am told that there is absolutely no success with seedlings, though seeds of certain varieties germinate quite readily. This variety, the *Haak-ip* is one of the most popular and is now on the market. The seed of this variety germinates quite readily though not so well as the *San Chi*." (Groff.) See Plate and Notes from foreign correspondent.

*Mangifera indica* L. (Anacardiaceae.) Mango budwood collected in Cuba by Mr. Wilson Popenoe, of this Bureau. 40911. "Jovellanos, Matanzas Province. *Luisa mango*. A seedling of the Philippine race. Luisa is a typical Philippine mango, long, slender, and pointed at the apex, varying somewhat in form and size. A good specimen will weigh eight to ten ounces. The color is lemon yellow, as in others of the type. The fruits are not yet ripe, so I have not had an opportunity to test the quality, but according to Prof. Earle it is excellent. Seedlings of the Philippine race are frequently rather unproductive, although the fruits are produced in clusters of two or three to about ten, and in a good season an enormous crop may be produced. Because of its excellent flavor and quality, this variety should be given a trial at Miami." "Cienfuegos. *Manga mamey*. A fine seedling type, found only in the Quinta Aviles, so far as known. In general form it is broadly cordate, very short (just about as broad as long), slightly compressed laterally, the base flattened and very slightly oblique, the apex with a suggestion of a beak. In weight it averages eight to 12 ounces. The stem is inserted in a shallow, narrow, almost regular cavity. The surface is smooth, greenish orange-yellow to orange-yellow in color, blushed around the base with reddish salmon. The dots are large and conspicuous, a distinguishing feature of the type as frequently with other members of the mango group. The skin is thick and very tough, the flesh bright yellow-orange, meaty, moderately juicy, with very little aroma. The flavor is acid, pleasant, fairly spicy; fiber not very objectionable except around the ventral edge of seed, where it is long and fine. The seed is long, rather thick, with two to five embryos in the speci-